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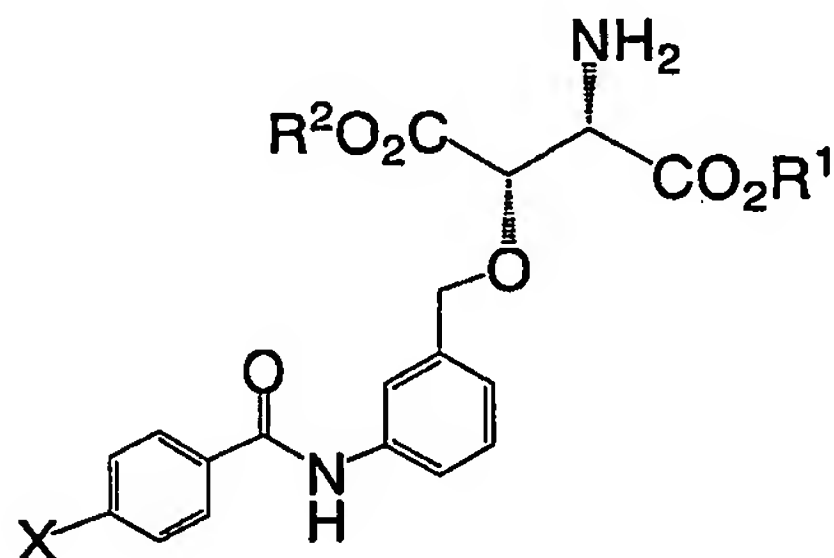
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(54) Title: RADIOLABELED 3-[3-(BENZOYL-AMIDO)BENZYL OXY]ASPARTIC ACID DERIVATIVE AND METHOD OF PRODUCING THE SAME



(1)

(57) Abstract: The present invention provides a radiolabeled ligand which is highly selective and potent for glutamate transporters and is usable in specifically detecting the glutamate transporter. Specifically, the present invention provides a 3-[3-(benzoylamido)benzyl oxy]aspartic acid having a radioactive substituent on the benzoyl group which is represented by the following formula (1), or an ester or salt thereof: (1) wherein X represents a substituent containing a radioactive atom(s) which is selected from a straight or branched lower aliphatic alkyl group, a hydroxyl group, a straight or branched lower aliphatic alkoxy group, an amino group, a straight or branched lower aliphatic acylamido group, a

halogen atom and a straight or branched lower aliphatic haloalkyl group; and R1 and R2 each represents a hydrogen atom, a straight or branched lower aliphatic alkyl group or an acetoxymethyl group.